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DERWENT-WEEK: 198930

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TITLE: Manual siphon also usable as  
hand pump - has one rigid  
vertical and one flexible  
horizontal pipe, corrugated  
bulb, and removable seal cap

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PATENT-FAMILY:

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## BASIC-ABSTRACT:

The manual siphon can also act as a hand pump if required. It consists of a corrugated bulb (1) with threaded holes at either end, having its bottom end connected into a junction piece (4). The top hole is covered by a sealing cap (3). Fitted to the junction piece (4) are two pipes, one (8) rigid vertical pipe and one (9) horizontal flexible pipe. Inside the junction piece (4) are two flap valves (5,6), which prevent reverse siphoning of the fluid when the device is being used.

To operate, the bulb (1) is squeezed by the operator, which expels the air from it via the tube (9) and on release, the liquid is drawn up the vertical tube (8). On repeating this operation, the liquid is then expelled out of the horizontal tube (9). From then on, a siphoning action can be maintained. Removing the cap (3) will break the siphon.

ADVANTAGE - Switches readily from siphon to handpump.

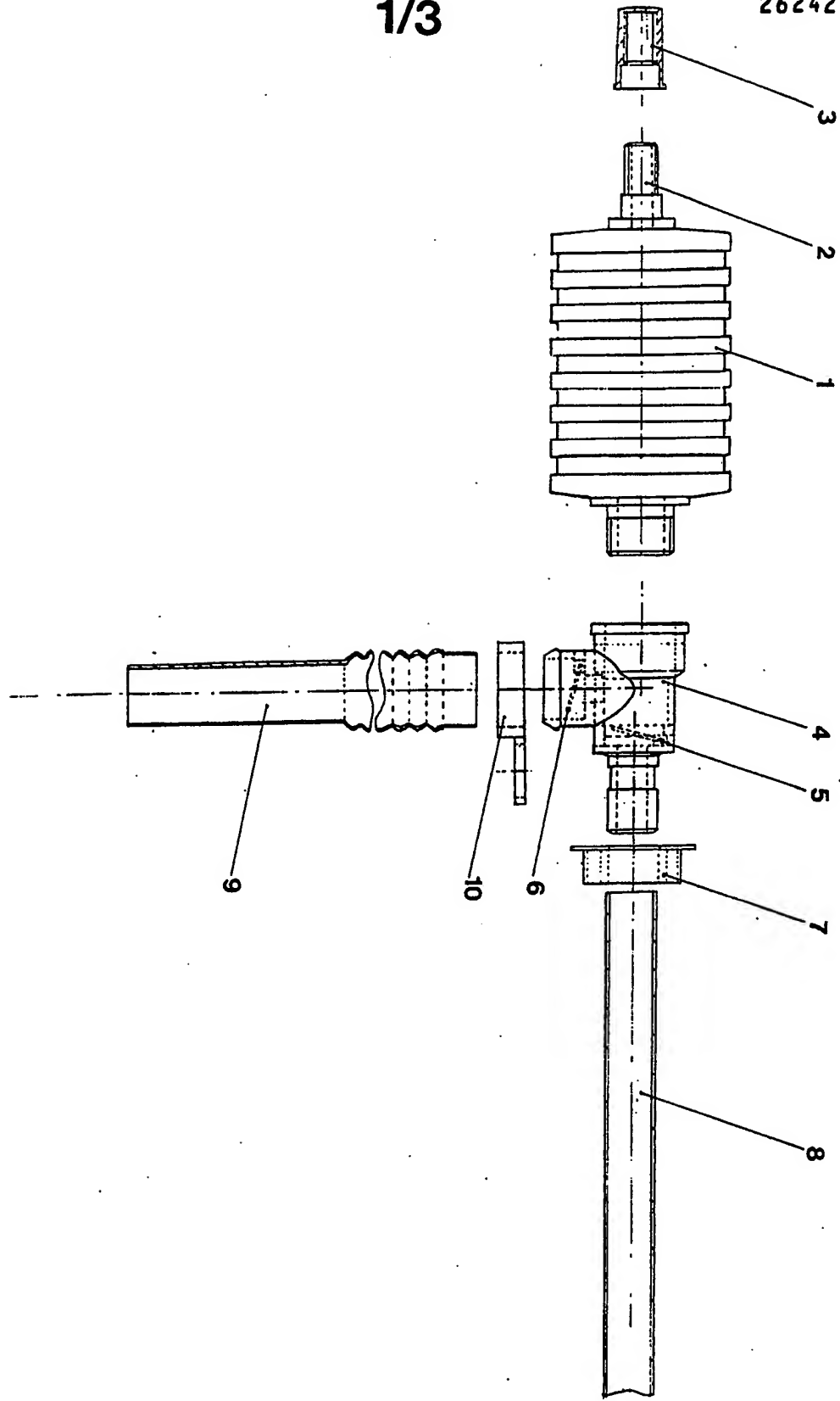
CHOSEN-DRAWING: Dwg.1/3

TITLE-TERMS: MANUAL SIPHON HAND PUMP ONE RIGID  
VERTICAL ONE FLEXIBLE HORIZONTAL  
PIPE CORRUGATED BULB REMOVE SEAL CAP

DERWENT-CLASS: Q39 Q56

1/3

2624213



→ circuit du liquide

